UNION CARBIDE

Nuclear Division News

Vol. 12/No. 6 • March 26, 1981

193727

REGULATING THE CENTRIFUGE — Kenneth Jackson adjusts the speed of the centrifuge as it reprocesses used cutting fluid or "coolants" from the Y-12 Machine Shop. Reclaiming the fluid eliminates constant purchase of the expensive material and benefits the plant environment by eliminating costly and troublesome waste management.

Recycling of cutting fluids saves money at Y-12 Plant

Personnel from the Y-12 Plant's Fabrication Division and the Development Division have developed a more economical and environmentally acceptable system of recycling cutting fluids used in the Plant's General Machine Shop.

The development is twofold: it involves the establishment of a semi-universal cutting fluid that can be used with nearly all of the machine tools in the shop; and a reclamation system which cleans the fluid to acceptable environmental and metal removal standards, thereby permitting the reclamation of thousands of gallons of cutting fluid per year and the saving of thousands of dollars.

An additional advantage of the system is that it results in virtually a zero discharge of cutting fluid waste to the environment.

Cutting fluids are oil-based mixtures which are used to cool and lubricate metal components during metal removal operations on machine tools. While metal is being removed, the fluid is sprayed directly onto the component — much like a dentist continually sprays water onto a tooth being drilled.

Because Y-12's General Machine Shop is usually involved in hundreds of machining operations simultaneously, the shops use thousands of gallons of cutting fluid per year. Like other oil-based materials, the cost of the fluids has risen significantly in recent years. The cost of disposal of the waste fluid has become an even greater factor, however.

Before the new system was established, eight different types of cutting

(Please turn to page 8)

Sneath urges support for Reagan economic plan

William S. Sneath, Chairman of the Board of Union Carbide Corporation, has urged all employees to support President Reagan's program to combat inflation and improve the nation's economic picture.

The following is the text of a message from Sneath to employees:

"President Reagan has proposed a bold — even tough — program to attack the problems of inflation and sluggish economic growth.

"The four key elements in his program are:

- **A budget reform plan to reduce the rate of growth in federal spending;**
- **A series of proposals to reduce personal income tax rates by 10 percent a year over three years and to create jobs by accelerating depreciation for business investment in plant and equipment;**
- **A program of regulatory relief;**
- **A new commitment to a monetary policy that will restore a stable currency.**

"Union Carbide supports the program. We believe it is realistic and responsible and it is our conviction that it will contribute to the long-range goals of reducing the rate of inflation and increasing economic growth.

"The President's plan to reduce the growth of the federal budget by more than $41 billion is bound to be controversial, but we believe his program is even-handed and balanced. It will call for sacrifices from all sectors of society, including the business community. Some elements, such as the cutback in the synfuels program and increase in waterway user charges, will have a direct adverse economic impact on Union Carbide. Nonetheless, Carbide is prepared to absorb its fair share of costs in the interest of supporting the President's program and keeping it intact.

"It is my firm conviction that all Americans have a direct stake in the success of the President's program. And I hope that all Carbiders who share my opinion will express their personal views to their member of Congress. I intend to do so."

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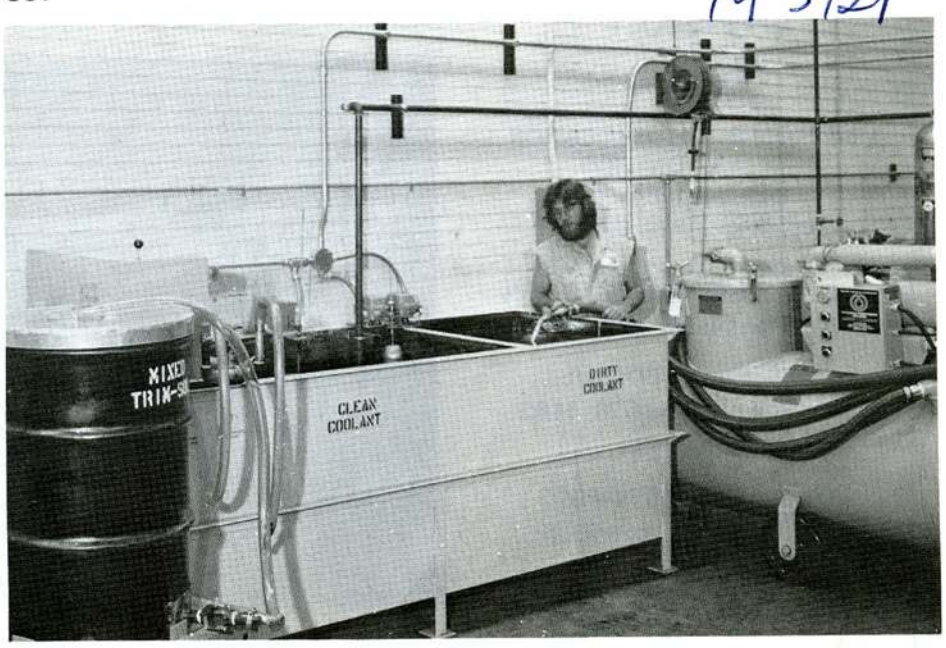


RECYCLING COOLANT — David S. Miller, Y-12 Machine Shop, empties used coolant into a settling tank before it is transferred to a centrifuge where chips, oil and sludge are removed. The recycled cutting liquid is saving an estimated $100,000 a year in Y-12's General Shops.

Common-sense tips for traffic safety

Here are some common-sense motoring tips for traffic safety:

1. Speed kills. Use common sense, slow down and be a defensive driver.

2. Don't depend on the other person's driving. He or she may be depending on you. Slow down when approaching intersections or congested areas.

3. Sudden stops invite rear-end collisions. Slow down gradually. Be on the lookout for the driver who isn't expecting you.

4. Be careful when getting out of your car on the street side; check oncoming traffic before opening your door.

5. Don't save your safety check for a rainy day, then find out that your windshield wipers won't work or your brakes aren't functioning properly.

6. Rubbish or small objects on the car floor can get in your way while driving. Always carry a trash bag in your car for items that can easily roll under or over the gas pedal.

7. Papers, pens, portable radios and other items that can move around or fall should not be kept on top of the dashboard. They can distract your attention long enough to create an accident.

8. The sun visor was not meant to be used as a storage area for maps, notes or sunglasses. A sudden stop or a quick turn could jerk these items out, distract you and cause an accident.

9. Don't cross the street in the middle of the block; you may be a target for even careful drivers. Walk to the corner and use the crosswalk.

Promotions announced at Y-12 Plant

Additional promotions have been announced in Y-12. Vincent A. Brown has been named a machining supervisor; Frank L. Diggs has been named an accounting supervisor in Accounting and Budget; Clifton D. Guider a fabrication supervisor; J. Mont Kendrick has been promoted to a supervisor in Capital Accounting; and Kenneth P. Miller, Charles W. O'Dell, Danny R. Walker, Jack R. Wells and Benny K. Whittenbarger have been named machining supervisors.

Brown, a native of Oliver Springs, served in the U.S. Army before joining Union Carbide. He is a graduate of the Training and Technology Project and came to Y-12 in 1968.

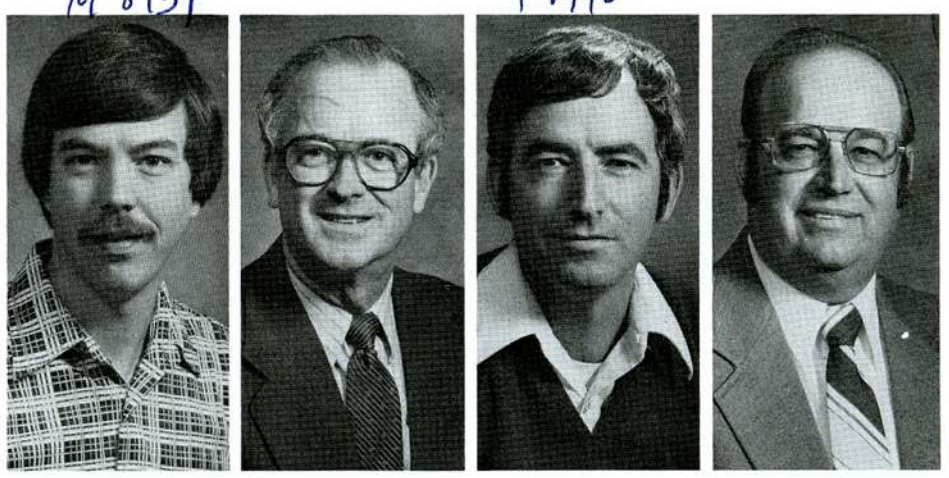
Married to the former Sandy Shoopman, he lives at Route 2, Oliver Springs. The Browns have a son, Michael Allen.

Diggs, a native of Anderson County, attended National Business College. He joined Union Carbide in 1963 as an accounting analyst. He has served as an alderman in Clinton and is on the board of directors of the Melton Hill Industrial Development Corporation.

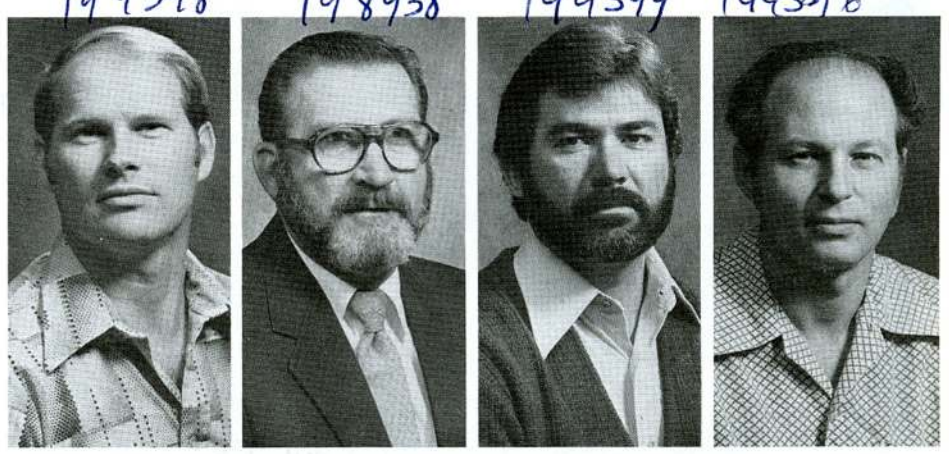
Mrs. Diggs is the former Joan Miller, and the couple lives at 617 Riverbend, Clinton. They have six children, Gary, William, Linda, Cathy, Laura and Michelle.

Guider was born in Lenoir City and attended the State Vocational School at Athens before joining Union Carbide in 1969. He worked with Yale Lock, Southern Railway and Vol-Tenn Tool and Die Company prior to that time.

Mrs. Guider is the former Myrtle Smith, and they live at Route 7, Lenoir City. They have two children, Christopher and Gina.



Brown **Diggs** **Guider** **Kendrick**



Miller **O'Dell** **Walker** **Wells**

Kendrick is a native of Anderson County and attended David Lipscomb College and the University of Tennessee. He worked with Sherwin-Williams Paint Company before coming to Y-12 in 1959.

He is married to the former Nancy Love, and they live at Route 2, Powell. They have three children, Bryan, Peggy and Kent.

Miller is a native of Knoxville and is also a graduate of the TAT project in Y-12. He joined Union Carbide in 1967.

He and his wife, the former Sandy Lyons, live at Route 2, Kingston. They have three children, Janet, Kenneth and Tommy.

O'Dell is a native of Knoxville and attended Stair Technical School before joining Union Carbide in 1959. He served in the U.S. Navy during World War II.

Mrs. O'Dell is the former Clara McCroskey, and they have three children, Ronald, Sue and Kayte. They live at 10 Park Avenue, Maryville.

Walker was born in Rockwood and is also a graduate of the TAT project. He worked at Chevrolet and AVCO before joining Union Carbide in 1968.

Mrs. Walker is the former Frances Powers, and they live at Route 2 Sweetwater Road, Philadelphia. They have two children, Tammy and Tony.

Wells was born in Knoxville and joined Union Carbide in 1979. He worked with Robertshaw and General Motors Technical Center as well as both Cargill and Gothin Corporations.

Whittenbarger

Mrs. Wells is the former Sandra Burnett, and they live at Route 34, Clinton Hollow Road, Knoxville. They have two children, James and Rebecca.

Whittenbarger is a native of Harriman and joined Union Carbide in 1967. Prior to that time, he worked with Arvin Industries, ORTEC, Combustion Engineering and Oak Ridge Tool and Die.

He and his wife, the former Becky Kirkland, live at Route 2, Harriman. They have two children, Randi and Ross.

Next issue...

The next issue will be dated April 9. The deadline is April 1.

UNION CARBIDE

Nuclear Division News

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PADUCAH
Darlene M. Mazzone, Bell 208

INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS

Published every other week for employees such as:

Janice Myers Gardner, a radiographer in Y-12's Product Certification. She lives on Patton Ferry Road, Kingston.

81-0969

Pete Lotts named to direct NRC programs at Laboratory

The appointment of Adolphus L. (Pete) Lotts as director of Nuclear Regulatory Commission (NRC) programs at ORNL has been announced by Donald B. Trauger, associate director for nuclear and engineering technologies.

Among the major NRC-supported activities at ORNL are reactor safety research, involving both current light water reactor nuclear power plants and advanced systems such as breeder and gas-cooled reactors; technical support for nuclear reactor regulation; safeguards, fuel cycle, and environmental research; risk assessment; and standards development.

Lotts, whose appointment is effective April 1, has played a key role in the development of the fuel cycles for current and advanced nuclear power reactor systems. Since 1978, as director of nuclear waste programs, he has been responsible for overall direction of nuclear waste management activities, including research and development, on-site operations, technical support to other contractor organizations and program management for DOE.

Previously, he was manager of the High Temperature Gas-Cooled Reactor Fuel Recycle program and associate director of Gas-Cooled Reactor programs. Lotts also managed programs for refabrication of light water reactor and fast breeder reactor fuels.

Lotts joined Union Carbide in the Metals and Ceramics Division in 1959, where he organized the remote fabrication group and managed work in fuel-cycle technology. He holds BS and MS degrees in metallurgical engineering from Virginia Polytechnic Institute and State University.

Lotts

In 1976, he was the recipient of the E. O. Lawrence Memorial Award presented by the Energy Research and Development Administration for outstanding contributions to atomic energy development. He was cited for his leadership and innovative contributions to the development of the thorium/uranium-233 fuel cycle as applied to high temperature gas-cooled reactors and similar work aiding transuranium element production at ORNL's High Flux Isotope Reactor.

Lotts also has been active in the application of advanced management techniques to the programming and scheduling of research, development and demonstration projects at ORNL and other DOE sites.

He is a fellow of the American Nuclear Society, past chairman of its Oak Ridge Section, and a member of the American Society for Metals. He currently is chairman of the Knox County Board of Education.

Lotts and his wife, Grace, live at 849 Chateaugay Road, Knoxville. They have four daughters.

QA contest winners named

Winners of the recent Quality Assurance Message Contest, held as part of the Division-wide observance of QA Week, have been selected.

Lowell W. Anderson, ORGDP Capacity Expansion Management Team, was the Nuclear Division overall winner with the slogan, "High Performance Is Our Rule — Quality Assurance Is Our Tool."

"Quality Assurance — Product Endurance," was the winning entry from ORNL, submitted by Larry H. Wyrick, Information Division.

The Y-12 winner was Robert E. Heydasch, Fabrication Division, with the question, "The Quality Assurance Picture — Are You In It?"

The winning message from Paducah, submitted by Joe D. Blagg, Plant Engineering, was, "Put Quality Assurance In to Take the Problems Out."

A total of 1096 entries were received for this year's contest. Watch future issues of *Nuclear Division News* for other QA messages.

ENGLISH UPDATE — Thirty-four clerical staff members in ORGDP's Maintenance Division recently completed the Gregg Business English Review. The class, offered in two separate sessions covering four half-days each, was taught by Division secretaries Mary Grubb, Virginia Byerly, Ruby Jones, Doris McKamey and Ellen Queener. L. A. "Tony" Dean, division manager, presented the participants with certificates, hand-lettered by Sandra Whitaker, during a brown-bag "graduation" luncheon on March 5.

Anniversaries

ORGDP

35 YEARS

Frank N. Bensey, Technical Services; Lawrence E. Beyersdorf, Finance, Materials and Services; Robert W. Lynn, Maintenance; John Farquharson, Enrichment Technology; Lee A. Smith Jr., Separation Systems; Jack D. Brannon, Maintenance; Lewis J. Thomas, Maintenance; Robert C. Orrin, Engineering; Charles W. Cunningham, Engineering.

30 YEARS

William P. McEvoy, Engineering; Marie H. Cuthbert, Computer Sciences; Laura H. True, Engineering; Alfred L. Cupp, Engineering; Paul H. Riddle, Computer Sciences; Josephine D. Wyatt, Technical Services; Fletcher Madison, Maintenance; Martha J. Bridges, Technical Services; Edith B. Duckworth, Barrier; John A. Hall, Maintenance; Jesse W. Stapp, Barrier.

25 YEARS

Robert E. Nier, Jack L. Rutherford, Thomas W. Coffey, Carl E. Stooksbury.

20 YEARS

Clyde D. Feazell.

Y-12

35 YEARS

Nell G. Cannon, Plant Laboratory; Forest B. Waldrop, Development Division.

30 YEARS

Charles T. Haun, Buildings, Grounds and Maintenance Shops; Joe Bridges, Chemical Services; James H. Nash, Development Division; Howard B. Jarvis, A Wing, H-2 and F-Areas; William C. Johnson, Buildings, Grounds and Maintenance Division; and Kenneth D. Cook, Engineering Division.

25 YEARS

Margaret K. Kirby, Charles M. Gallaher and Edgar B. Duncan.

20 YEARS

Charles J. Moody, Kenneth W. Brock, William H. Gheen Jr., Thomas S. Sparks and Harley S. Weaver.

ORNL

35 YEARS

Leon E. Morse, Chemical Technology.

30 YEARS

Alice P. Maxwell, Employee Relations; Michael K. Wilkinson, Solid State; Margaret R. Day, Information; and Cleland H. Johnson, Physics.

25 YEARS

F. C. Fitzpatrick, R. M. Hill Jr., Alice T. McWilliams, Edward W. Jenkins, Ode W. Scates, Bobby E. Freeman, Frederick G. Kitts and Hal Williams.

PADUCAH

35 YEARS

Sy Bernstein, Plant Engineering.

Patent Granted

Howard Tulley and Steve Seltzer, Paducah, "Removal of Uranium from Aqueous Hydrogen Fluoride Solutions."

A different drummer ...

ORGDP artists display work in area exhibits

At last it's finished — an arrangement of unique shapes and colors; a masterpiece with many interpretations — creative art.

Creating artistic masterpieces comes naturally for William Capshaw, ORGDP Engineering Division, and John Talbott, Finance, Materials and Services Division. During February, they were among ten area artists honored by East Tennessee State University (ETSU) for their work, which was exhibited at the Carroll Reece Museum in celebration of Black History Month.

"I thought drawing was something that anyone could do," Capshaw said.

Although the exhibit included only oil paintings, acrylics, pencil drawings and prints, Capshaw and Talbott are both involved with other art forms. Capshaw enjoys working with ceramics; Talbott specializes in geographic abstraction — a combination of paint and graphic designs.

Capshaw claims not to have recognized his own artistic abilities until he was a sophomore at Oak Ridge High School. "I thought drawing was something that anyone could do," he said. While he was at ETSU, his talents won him the Deborah Jean Brightly Scholarship in 1971 and 1973. He also earned a master of fine arts degree in printmaking.

Capshaw says his work is influenced by ... personal experiences and dreams, nature, history, etc.

Capshaw says the style of his work is influenced by many things — personal experiences and dreams, nature, history, etc. In "Look Man," a pencil drawing, he depicts the historical lifestyle of blacks and other minorities.

John Talbott has designed album covers for Dionne Warwick, Paul Simon, the O'Jays and many other musical entertainers. While a technical illustrator in the U.S. Air Force, Talbott did creative work in visual communication, graphic design, commercial art, layout and photography. After completing four years of duty, he entered the University of Louisville where he earned an associate degree in graphic design.

Talbott has designed album covers for Dionne Warwick, Paul Simon, the O'Jays and many others.

Talbott said that his overall objective is to have the viewer feel questioned while looking at his work. He does this in "After 5," a self-portrait in abstract form. The creation of tension between the viewer and the image is very important to him.

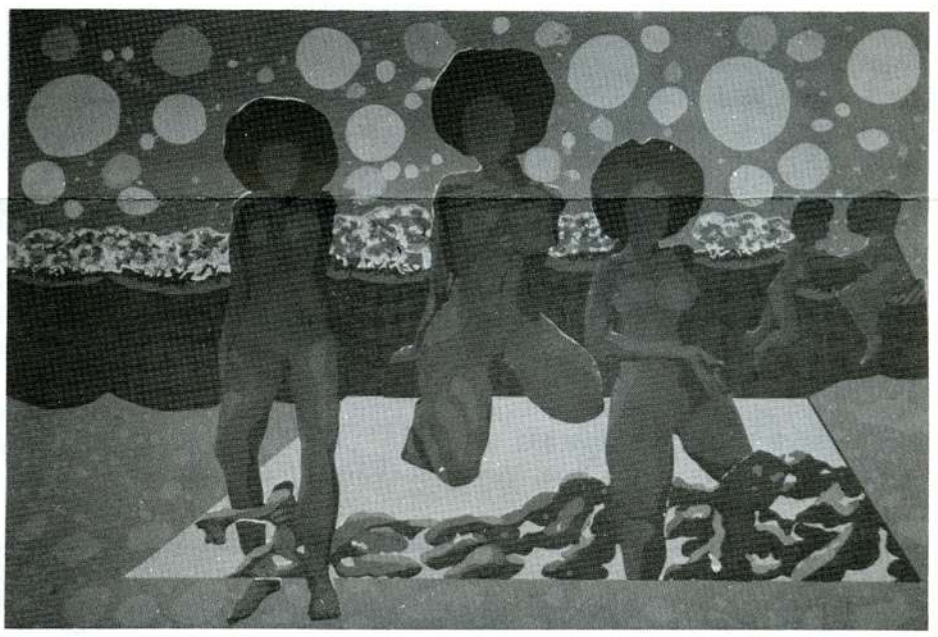
"My constant thought is that the idea not be lost, but absorbed into a world of reality," Talbott said.

Talbott's paintings are executed rapidly in a compulsive urge to have an idea take graphic form. "My constant thought is that the idea not be lost, but absorbed into a world of reality. With the creation of the final product, my desire is soothed — until I venture again," Talbott said.

Work by both artists has been exhibited throughout the Southeastern United States. They plan a joint exhibition, which will feature samples of all their art, later this year in Oak Ridge.

Capshaw and Talbott

Talbott's "After 5" is a self-portrait in abstract form.



Capshaw's "Fire Women" is done in reddish tones on silk screens. He completed it while a student at ETSU.

In "Look Man," Capshaw depicts the historical lifestyle of blacks and other minorities.

Medicine Chest

Living to be one hundred

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," **NUCLEAR DIVISION NEWS,** *Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)*

QUESTION: What advice would you give to people who wish to live to the age of one hundred?

ANSWER: First, I would jokingly advise them to "select their parents" carefully. Longevity is greatly influenced by genetic makeup. It determines the raw material with which a baby is endowed and the potential for development of an efficient and durable body. Many of the degenerative diseases of middle and later life also are influenced by genetics.

In addition to providing anatomical and physiological endowments, parents serve as role models for their children. They influence children's attitudes, ambitions and lifestyles. The way parents live their lives is a stronger influence on their children than what they say to them, give to them or wish for them.

Geographic area

Geographic area is also important. Midwestern states like Minnesota, North and South Dakota, Nebraska, Kansas, Iowa and Wisconsin are all high on the life expectancy list for residents. Utah and Hawaii are also high on the list, but probably because of religious and cultural rather than geographic reasons.

I would strongly recommend that children be given all standard immunizations. It is now possible to prevent many common virus infections that can be fatal or can cause complications that may reduce life expectancy.

Meals must be nutritious throughout life. Children should not be allowed to select their own menus. The family should eat together as much as possible, and mealtime should be a fun, sharing time. Perhaps because of the increasing number of working mothers, fewer families have carefully planned meals. As a consequence, many children and adults eat primarily junk food. Good eating habits established in childhood likely will remain throughout life.

Because accidents are the most common cause of death and disability in young people, adolescents should take driver education courses and learn the importance of safety.

Physical fitness

Children should learn to play various sports that they can continue to participate in as adults. Team sports provide limited opportunities for participation after college. Individual skills, however, such as swimming, tennis, volleyball and jogging are most valuable. The importance of physical fitness should be instilled at an early age, and fitness should be maintained throughout life.

Adolescents should get as much education or training as possible. Several studies have shown that people with the highest levels of responsibility and education enjoy the best health. Heart attacks, ulcers, strokes and many degenerative diseases are far more common in blue-collar workers than in executives.

Work can and should be a challenge and a source of pride and satisfaction. Those who can retain some level of control over their careers are lucky. Skills require years of training and experience to develop, but the time and energy utilized pay off in better health as well as a better living standard.

Happy marriage

A happy marriage also can contribute greatly to longevity. A satisfying, loving sexual relationship is very important. Raising children may be stressful, but the resulting challenge and satisfaction lead to a fuller, healthier life.

Smoking tobacco and consuming excessive amounts of alochol and drugs greatly shorten life. Medicines should be taken only when necessary, and instructions should be followed meticulously. Periodic physical examinations to detect risk factors or asymtomatic diseases are helpful if the resulting treatments or suggested lifestyle changes are followed.

People should always attempt to keep growing emotionally and intellectually, even at advanced ages. New skills can always be learned. Challenging new opportunities should be sought continually. The person who begins to "coast" will soon be found on an inexorable downward path. If a job is not satisfying, one should leave or seek new challenges in an avocation. Taking the "easy" way may be inviting disaster. Older people should always try to look ahead. The brain may be kept agile, regardless of age, by exercising it. If one doesn't use it, he or she will lose it!

There are countless examples of older people leading satisfying and even exciting lives. They are vigorous because they have maintained good physical health and have constantly tried to find new experiences, ideas and challenges. Attaining a long life is hard work all the way, but every stage must have its pleasures, challenges and frustrations.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
November 80	18.3161	48.8017	13.2537
December 80	18.4490	49.2140	12.9061
January 81	18.5946	53.9691	12.4473
February 81	18.7420	55.2554	12.7318

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 9.75% for 1981. Union Carbide stock values are the average cost of stock purchased during the month. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

News About People

Tsuneo Tamura, head of the earth sciences section of ORNL's Environmental Sciences Division, has been named a fellow of both the American Society of Agronomy and the Soil Science Society of America.

His selection was in recognition of his research in the areas of soil mineralogy and genesis, nuclear waste management and environmental science. Since joining the Nuclear Division in 1957, Tamura has specialized in studying the environmental effects of radioactive fission products and transuranic elements, as well as toxic materials that result from converting coal to gaseous and liquid fuels.

Tamura

Tamura received his BS degree from the University of Hawaii and MS and PhD degrees from the University of Wisconsin. He is also a fellow of the American Association for the Advancement of Science and holds memberships in several other professional and honorary societies.

In 1976, Tamura was featured in Union Carbide *World* as one of "Our Technology Experts."

Magyar promoted at ORGDP

Richard J. Magyar has been promoted to engineer designer in ORGDP's Electrical Engineering Department.

A native of White Plains, N.Y., Magyar served in the U.S. Army before joining the Nuclear Division as a guard in 1947. He later worked as an electrical draftsman and electrical designer in Electrical Engineering.

Magyar and his wife, Phyllis, live in Harriman. They have two grown sons, Richard Jr. and Gary.

Magyar

Carbide recognizes top bowlers in tournament

Oak Ridge bowlers in the Nuclear Division recently crowned champions as scoring for the All Division tournament was completed.

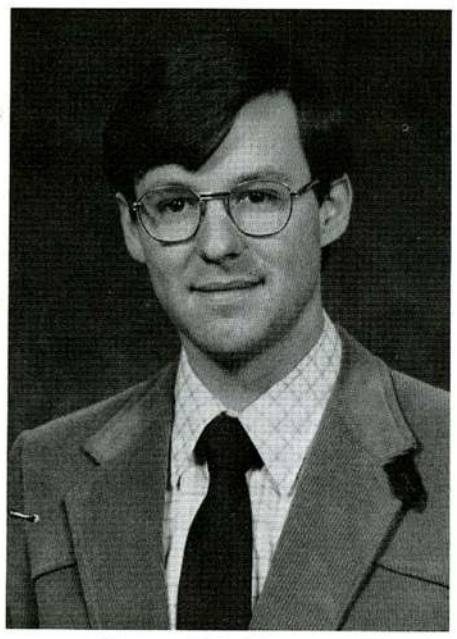
Taking men's honors was Benny Wood, scoring 1828 in scratch count, 1990 in handicap tally. Women's highs went to Ruby O'Kain, all events scores of 1726; Debra Cox, 1972 handicap.

Jerry Stapleton gleaned honors in men's singles, posting a 643 scratch, 736 handicap total. In women's singles it was Debra Cox, 671 handicap; Jo Ann Palmer, 593 scratch. In handicap singles it was Steve McNeany with 707.

Women's doubles saw Stephanie Livesey and Mary Goldberg roll a 1117 scratch; while Adria Herrmann and Patricia Campbell rolled a 1292 handicap combination.

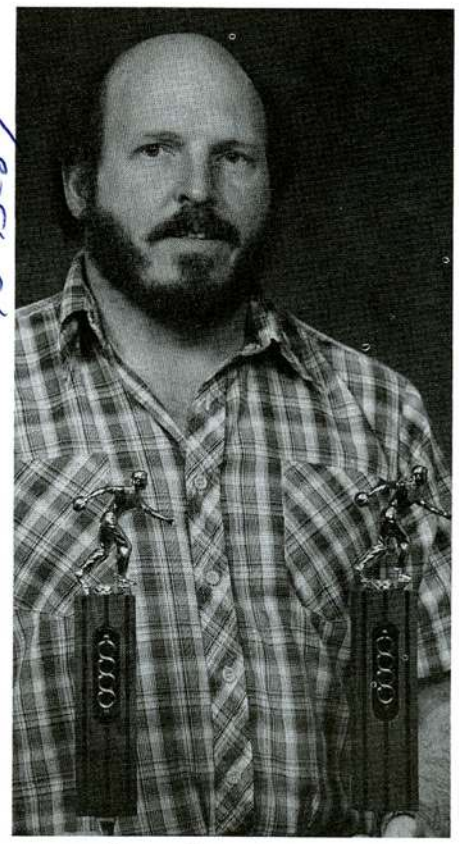
Vickie Stewart and Manwell Patillo captured mixed doubles highs, posting a 1300 handicap score. Jean Zamzoe and John Peer rolled high scratch doubles, a 1180.

Team winners, with photos, will be included in the next issue.



Steve McNeany
Men's singles

Jo Ann Palmer
Women's singles



Jerry Stapleton
Men's all events

Vickie Stewart — Manwell Patillo
Mixed doubles handicap

Ruby O'Kain
All events champ

Benny Woods
All events champ

Debra Cox
All events champ

FIRST HALF WINNERS — The Mean Machine, captained by Gail Giltner, second from right, captured the first half championship of the Paducah Plant's regular bowling season, winning the eight-team league championship. The league bowls every Thursday night from September to April. Team members are, from left, Joe Quinlan, Steve Skaggs, Sam Leone, Dennis Herricks, Woody Woodruff, Joe Leidecker, Giltner and Mike Mazzone.

Save Energy / Share the Ride

Y-12

RIDERS for van pool from East Knoxville, McCalla Avenue, Cherry Street and Western Avenue, straight day. Nelson Nance, plant phone 4-2058, home phone Knoxville 546-6075.

RIDE from Bob Gray Road to East Portal, 8 to 4:30 shift. Joe Lutter, home phone 966-3953.

JOIN CAR POOL from Karns, Emory Road area to Central Portal, 7:30-4 shift. Kay Zevenbergen, plant phone 4-2587, home phone 947-0282.

JOIN CAR POOL from Westhaven area, Knoxville, to Bear Creek Portal, E Shift. D. R. Beilke, plant phone 4-2815.

ORGDP

BUS RIDERS from West Knoxville to Portals 1, 2 and 4, 8-4:30. Steve Buffalo, plant phone 6-7314, home phone Knoxville 690-5610.

ORNL

CAR POOL MEMBERS NEEDED from Cedar Bluff Shopping Center, West Knoxville, to East or South Portal, 7:30-4:00. K. Weeks, plant phone 4-5363; C. Wiggins, 4-5461; or B. Gateley, 4-5465.

RIDE NEEDED from Oak Ridge Highway between Karns and Solway to East Portal, 8:15-4:45. Peterson, plant phone 4-4483; home phone 690-3989.

VAN POOL RIDER from West Knoxville, Bearden to Farragut area, to East and West Portals, 8-4:30. Dean Treadway, plant phone 4-6580; home phone 584-4879.

VAN POOL RIDERS from West Knoxville (Walker Springs, Cedar Bluff, Kingston Pike, Lovell Road) to East, South or West Portals, 8-4:30. Mike Caldwell, plant phone 4-4885, home phone Knoxville 691-4194.

Safety Scoreboard

Time worked without a lost-time accident through March 22:

Y-12 Plant	181 Days	6,223,000 Employee-Hours
ORGDP	184 Days	5,473,676 Employee-Hours
ORNL	315 Days	7,421,275 Employee-Hours
Paducah	235 Days	2,171,881 Employee-Hours

Top bowlers honored

Stephanie Livesey — Mary Goldberg
Women's doubles - scratch

Patty Campbell — Adria Herrmann
Doubles handicap

Question Box

How long must I work in order to get summer company service?

QUESTION: I worked two summers as a temporary employee. Now I am on the permanent payroll. How long must I work before getting company service credit for those two summers? Will this company service also apply toward benefits, vacation eligibility, savings plan, etc.?

ANSWER: If you were in the Co-op Program or employed as a summer student and you obtained your college degree, company service credit is immediately restored when you become a permanent employee provided that no period of continuous absence from the company exceeded twelve months. If you do not meet these requirements, your prior company service will be restored after two years of employment. Restored company service will apply toward vacation, savings plan, disability pay, dental plan and pension plan eligibility.

QUESTION: Please tell us the dollar coverage of insurance for employees on official travel status.

ANSWER: Under the Business Travel Accident Insurance Plan, a salaried employee is covered in the event of accidental death or injury while on a business trip anywhere in the world. In the event of death, the payment is four times the annual salary, with a minimum of $50,000. If you would like more details on the Travel Accident Policy, call your Benefit Plans office.

Job bidding

QUESTION: In the job bidding system, we are told that the best way to advance is through our own division. Since the Engineering Division is located in all of the Nuclear Division plants, has management considered letting personnel bid across plants for jobs?

ANSWER: Bidding across plants is allowed for the positions of Executive Secretary and Secretary to the President of The Nuclear Division, which affords employees at all three Oak Ridge locations an opportunity to apply for these positions. Further bidding across plants has been reviewed several times; however, because each facility annually has had both a variety and number of jobs bid, cross-plant bidding has not been seen as a necessary avenue for promotion.

Slopitch teams paged for summer

The Recreation Department has issued a call for slowpitch teams for summer play. April 1 is the deadline for registering a team. If interested, call 4-1597 for more information.

Dead Horse Lake Golf League

An organizational meeting will be held at 3 p.m. Wednesday, April 8, in the Cafeteria Conference Room, Y-12, Building 9711-5. Interested players should attend. For further information, contact Harold Alvey, 4-3611.

Surplus sale set through April 7

Another "spot bid" sale of surplus vehicles and office equipment is being held. Inspection of the items may be made from 8:10 a.m. to 4:10 p.m. through April 7, including Saturdays, March 28 and April 4.

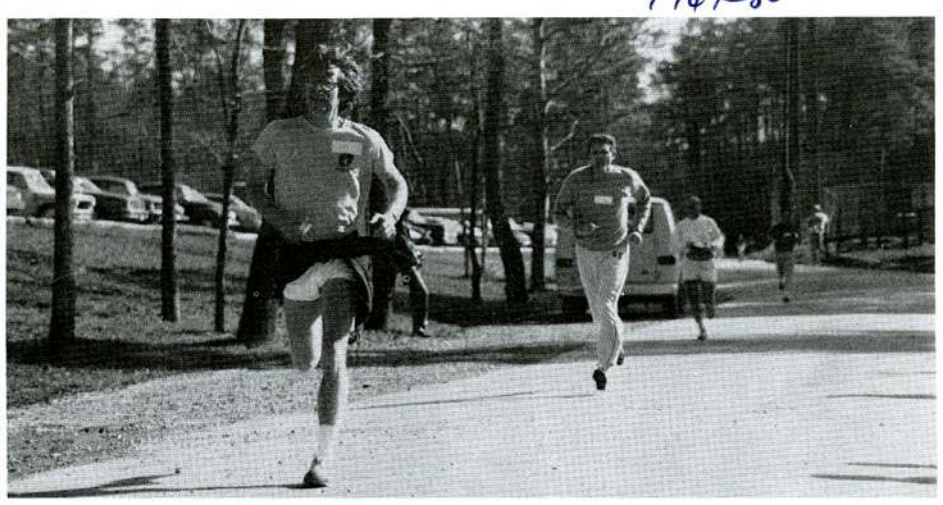
Bids will be opened at 9 a.m. April 8.

Additional information may be obtained from D. R. McCammon, extension 6-1451.

Patents

Carlos E. Bamberger, ORNL, for "Cyclic Thermochemical Process for Producing Hydrogen Using Cerium-Titanium Compounds."

Chester S. Morgan, ORNL; and William R. Johnson, formerly of ORNL, for "Thermal Shock Resistance Ceramic Insulator."



Another Carbide Road Run will be staged Saturday, April 11, at the Clark Center Recreation Park. The race will begin at 9 a.m., but runners should register by 8:30.

Tee shirts will be given to the first 200 to finish the run. Awards will be presented to the winner in each age group.

Recycling

(Continued from page 1)

fluids were used. Their differences made it extremely difficult and impractical to devise one common method for recycling the fluids.

After a period of testing, in conjunction with the Development Division, the General Shop settled on one commercially obtainable cutting fluid which worked satisfactorily with all but 2 of the 400 machine tools in the shop and was reuseable after reclamation through a new process obtained for use in the plant.

Two-step system

The reclamation process is basically a two-step system. Dirty cutting fluid is removed from the machine sumps and filtered to approximately 20 microns to remove small metal particles. The fluid then is transported to a tank, where it is pumped through another filter to a centrifuge which removes sludge and remaining oil impurities. The fluid then is pumped to a clean tank, where it is mixed with new cutting fluid (premixed with deionized water) to the desired concentration for reuse.

According to General Shop superintendent Tom Webber, the cutting fluid was established for use in his facility in April 1979 to permit a long-term test of the fluid's suitability. He said the test has resulted in the reclamation of over 20,000 gallons of cutting fluid and a cost savings of over $40,000 in purchase costs alone. Additional savings of approximately $60,000 are being realized from the avoidance of waste disposal costs, he said.

Plant officials indicated that consideration now is being given to establishment of a cutting fluid reclamation system throughout the other metal machining shops in Y-12.

INSPECT OPERATIONS — Tommy R. Webber, left, superintendent of machining and fabrication in Y-12, and Jay C. Webb inspect coolant reprocessing in the shops, as K. O. Pearson, Development Division, who assisted in developing the project, looks at operations at the right.

Steven R. McNeany named to new position at ORNL

Steven R. McNeany has been appointed to the Program Planning and Analysis Office at ORNL, where he will be responsible for managing the Laboratory's institutional planning process.

A former resident of Catskill, N.Y., McNeany joined ORNL's Engineering Technology Division in 1974 as an engineer in the High-Temperature Gas-Cooled Reactor Program. He later served as technical assistant to the division director.

He received the BS and MS degrees in nuclear engineering from Rensselaer Polytechnic Institute, Troy, N.Y., and the MBA in finance from the University of Tennessee.

McNeany, who holds memberships in the American Nuclear Society and Tau Beta Pi national engineering honorary society, is a registered professional engineer in Tennessee.

McNeany

He and his wife, Jeri Lundin McNeany, live at 9427 Ravenwood Circle, Knoxville.

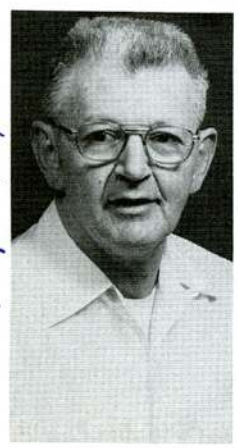
Recent Retirements

Nolen G. Neely
Operations
ORGDP
36 years service

Bernard E. Monroe
Mechanical Inspection
Y-12
26 years service

Raymond E. McNew
Equipment Services
Y-12
30 years service

Lemuel O. Bacon
Maintenance
ORGDP
35 years service



James Lloyd Overton
General Shops
Y-12
33 years service

Raymond T. Woods
Finance and Materials
ORNL
30 years service

Johnnie J. Lynn
Development
Y-12
28 years service

Glen M. Warren
Alpha 5 West Shop
Y-12
31 years service

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